



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

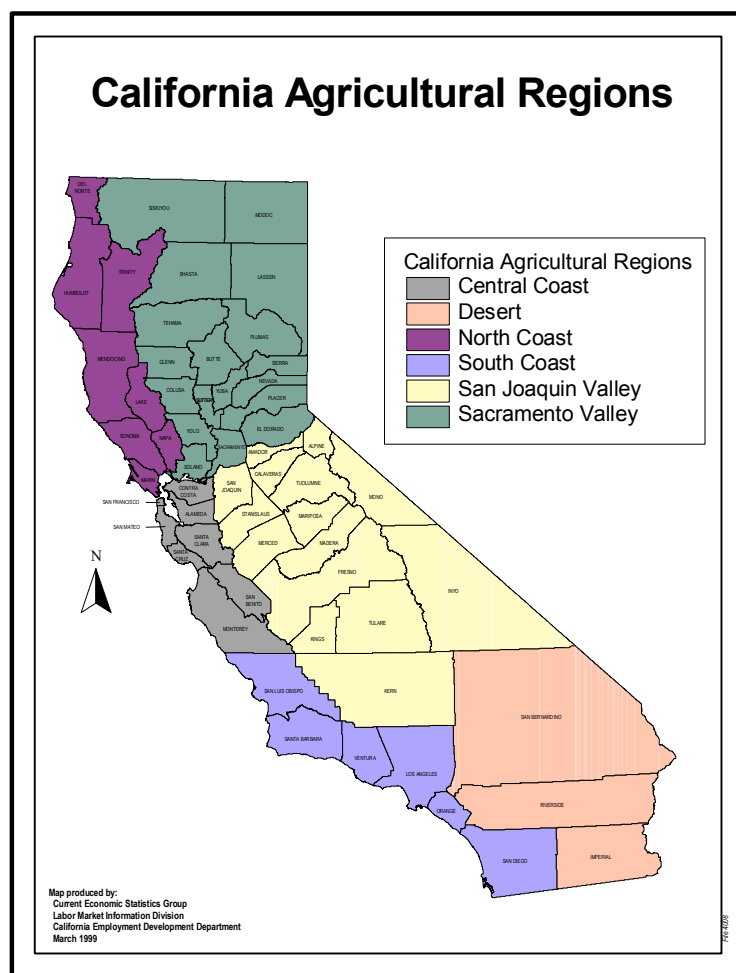
June 2002
(Internet Version)

Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
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Summary

Employment

California agricultural employment for June 2002 increased 38,700 jobs over the previous month, a gain of nine percent. Total Agricultural Production increased 17,500 jobs from May 2002 to June 2002, a gain of seven percent. Agricultural Services increased by 21,200 jobs, a gain of 12 percent. It is normal for both Agricultural Production and Agricultural Services to show increases from May to June. The change in California agricultural employment from May 2001 to June 2001 was an increase of 20,900 jobs.

Farm Labor Contractor Services registered the largest increase for the month with a gain of 11,200 jobs. A significant increase was registered in Deciduous Tree Fruit crops where 8,600 jobs were added. The largest decrease for the month was seen in Berry Crops with a decline of 3,400 jobs. Total agricultural employment increased 25 percent in the Desert Region, 18 percent in the Sacramento Valley Region, 15 percent in the Central Coast Region, eight percent in the San Joaquin Valley Region, three percent in the North Coast Region, and one percent in South Coast Region.

Production and Crop Activity

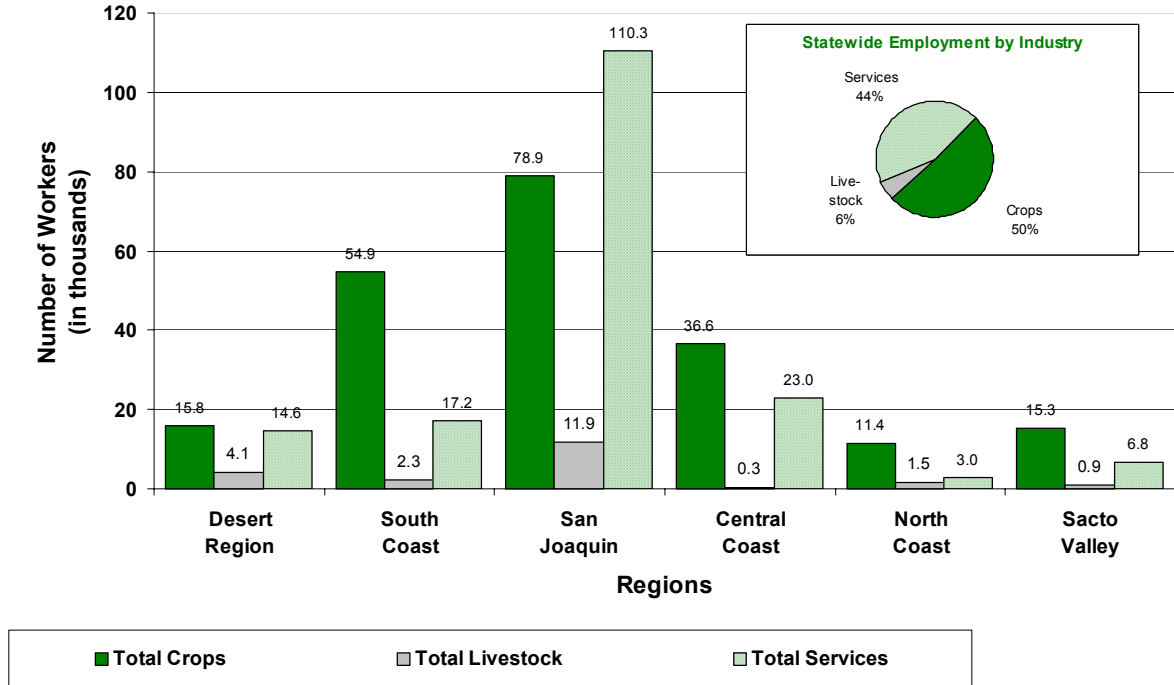
Cotton growers were irrigating, fertilizing, cultivating and applying herbicides for weed control in many fields. Some cotton fields were treated for mites and lygus. Dry land wheat and oat hay was harvested and baled. Harvesting of barley and wheat for grain continued. Most winter forage fields had been harvested and were planted to corn. Alfalfa fields were cultivated, irrigated and treated with herbicides. Alfalfa hay fields were being cut, windrowed and baled. Field corn growers were irrigating and treating fields to control weeds and insects. Silage corn was still being planted. Some sugar beet fields were irrigated and cultivated, while others were being harvested. A few sugar beet fields were treated for grasshoppers and spider mites. Rice planting was completed in most areas and was progressing well in others. Fields were treated with pesticides to control weeds and weevils. Dry bean harvest was ongoing, but was just beginning in garbanzo bean fields. Harvesting of summer vegetables in the San Joaquin Valley was in full swing. Sweet corn, fresh tomatoes, squash, peppers, melons, and green beans were harvested. Onion and garlic harvesting was underway in a few fields. Southern California's harvest of onions, sweet corn and tomatoes was completed. Processing tomato fields were treated for insect control, irrigated, and cultivated. Fresh market tomatoes, melons, and beans were planted in the northern San Joaquin Valley; fields were sprayed for worms and aphids. Artichokes were planted in Monterey County. The following vegetables were also harvested: basil, beets, cabbage, carrots, cauliflower, celery, cilantro, cucumbers, daikon, eggplant, green onions, lettuce, mint, mustard greens, okra, parsley, spinach, yellow crookneck and zucchini squash, string beans, sugar peas, and watermelons.

Fruit growers continued cultural activities that included weed control, fungicide applications, and irrigation of trees and vines. Table grape harvest continued in the Coachella Valley. Peach growers were actively harvesting several varieties. Nectarines were also being picked. A variety of plums were actively harvested. The harvest of apricots continued. Insecticides and fungicides were applied to apple trees. Grapefruit picking slowed in the desert area, and was active in Riverside County. The harvest of Valencia oranges continued. Lemon harvest was active in the south coast area. Strawberry picking continued.

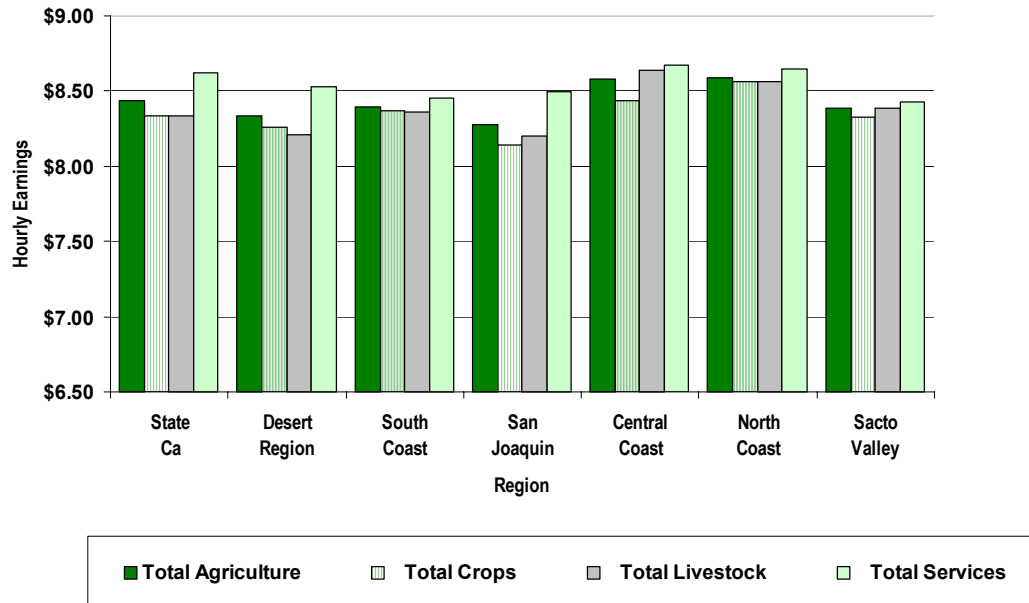
Remaining cattle on foothill pastures were moved to market or to summer pastures. Dairy operators placed fans and misters to cool cows. Moderate bee activity continued for a few vegetable and field crops. Some hives were moved to alfalfa and melon fields.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	447.5	408.8	453.1
Total Agricultural Production/Crops	225.8	212.9	224.8
Cash Grains	1.6	2.6	2.4
Rice	1.0	2.0	1.4
Other Cash Grains	0.6	0.6	1.0
Field Crops Except Grains	20.2	17.8	12.1
Cotton	7.6	6.2	6.0
Other Field Crops	12.6	11.6	6.1
Vegetables and Melons	40.7	37.6	37.8
Total Fruits and Tree Nuts	104.2	94.6	104.9
Berries	24.2	27.6	26.3
Grapes	40.4	35.0	42.5
Tree Nuts	7.0	5.2	7.7
Citrus Fruits	1.6	2.2	3.7
Deciduous Tree Fruit	16.0	7.4	15.6
Other Fruits & Nuts	15.0	17.2	9.1
Total Horticultural Specialties	36.8	38.8	39.9
Ornamental Floral & Nursery	33.3	35.6	35.3
Food Crops Grown Under Cover	3.5	3.2	4.6
General Farm Primarily Crop	22.3	21.5	27.7
Agricultural Production/Livestock	25.6	21.0	29.9
Beef Cattle Feed Lots	1.5	1.5	0.9
Beef Cattle Except Feed Lots	1.7	1.5	3.6
Dairy Farms	13.8	10.7	17.1
Chicken Eggs	3.1	1.3	2.3
Turkey & Turkey Eggs	0.8	2.7	1.0
Other Livestock	4.7	3.3	5.0
Total Agricultural Services	196.1	174.9	198.4
Soil Preparation Services	0.7	0.7	1.5
Crop Services	45.2	38.5	49.9
Plant Cultivate & Protection	6.9	5.0	6.8
Harvest Primarily by Machine	4.1	3.9	6.1
Preparation Services for Market	33.5	28.9	36.1
Cotton Ginning	0.7	0.7	0.9
Total Farm Labor & Management	150.2	135.7	147.0
Farm Labor Contractors	138.3	127.1	133.6
Farm Management Services	11.9	8.6	13.4

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	8.43	8.38	8.24
Total Agricultural Production/Crops	8.34	8.31	8.15
Cash Grains	8.27	8.30	8.35
Rice	8.27	8.30	8.54
Other Cash Grains	8.27	8.30	8.15
Field Crops Except Grains	8.43	8.30	8.01
Cotton	8.51	8.21	7.90
Other Field Crops	8.36	8.40	8.13
Vegetables and Melons	8.46	8.45	8.13
Total Fruits and Tree Nuts	8.30	8.27	7.98
Berries	8.24	8.18	7.67
Grapes	8.22	8.33	8.05
Tree Nuts	8.43	8.31	8.03
Citrus Fruits	8.29	8.23	7.94
Deciduous Tree Fruit	8.12	8.12	7.85
Other Fruits & Nuts	8.50	8.45	8.36
Total Horticultural Specialties	8.36	8.36	8.24
Ornamental Floral & Nursery	8.44	8.43	8.29
Food Crops Grown Under Cover	8.27	8.30	8.19
General Farm Primarily Crop	8.22	8.20	8.22
Agricultural Production/Livestock	8.34	8.25	8.13
Beef Cattle Feed Lots	8.22	8.08	8.28
Beef Cattle Except Feed Lots	8.55	8.44	8.27
Dairy Farms	8.58	8.49	8.54
Chicken Eggs	7.89	7.98	7.49
Turkey & Turkey Eggs	8.18	7.98	7.84
Other Livestock	8.60	8.52	8.37
Total Agricultural Services	8.62	8.59	8.42
Soil Preparation Services	8.71	8.64	8.25
Crop Services	8.74	8.69	8.75
Plant Cultivate & Protection	8.59	8.64	8.57
Harvest Primarily by Machine	8.78	8.72	8.86
Preparation Services for Market	8.26	8.26	8.13
Cotton Ginning	9.35	9.17	9.44
Total Farm Labor & Management	8.42	8.42	8.27
Farm Labor Contractors	8.20	8.22	8.12
Farm Management Services	8.64	8.63	8.43

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	68.8	59.9	72.9
Total Agricultural Production/Crops	41.3	36.6	44.1
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	6.5	4.9	0.3
Cotton	0.0	0.0	0.0
Other Field Crops	6.5	4.9	0.3
Vegetables and Melons	10.6	8.6	16.1
Total Fruits and Tree Nuts	13.8	12.9	15.0
Berries	12.7	10.4	12.3
Grapes	0.2	0.1	1.2
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	0.1	0.4
Other Fruits & Nuts	0.8	2.3	0.9
Total Horticultural Specialties	7.7	9.9	10.0
Ornamental Floral & Nursery	5.5	7.8	7.7
Food Crops Grown Under Cover	2.2	2.1	2.3
General Farm Primarily Crop	2.7	0.3	2.6
Agricultural Production/Livestock	0.3	0.3	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.3	0.3	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.0	0.0	0.4
Total Agricultural Services	27.2	23.0	27.8
Soil Preparation Services	0.1	0.0	0.3
Crop Services	10.2	8.0	10.6
Plant Cultivate & Protection	0.0	0.0	0.8
Harvest Primarily by Machine	2.1	0.7	2.0
Preparation Services for Market	8.1	7.3	7.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	16.9	15.0	16.9
Farm Labor Contractors	13.7	13.8	15.7
Farm Management Services	3.2	1.2	1.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	8.54	8.58	8.28
Total Agricultural Production/Crops	8.49	8.44	8.39
Cash Grains	na	na	8.19
Rice	na	na	na
Other Cash Grains	na	na	8.19
Field Crops Except Grains	8.52	8.51	8.44
Cotton	na	na	na
Other Field Crops	8.52	8.51	8.44
Vegetables and Melons	8.94	8.76	8.53
Total Fruits and Tree Nuts	8.36	8.35	8.30
Berries	8.50	8.51	7.90
Grapes	8.33	8.33	8.19
Tree Nuts	na	na	8.51
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.09	8.07	8.15
Other Fruits & Nuts	8.53	8.50	8.74
Total Horticultural Specialties	8.44	8.38	8.47
Ornamental Floral & Nursery	8.49	8.45	8.51
Food Crops Grown Under Cover	8.39	8.31	8.43
General Farm Primarily Crop	8.20	8.19	8.43
Agricultural Production/Livestock	8.38	8.64	8.01
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.25
Dairy Farms	8.38	8.64	8.38
Chicken Eggs	na	na	7.33
Turkey & Turkey Eggs	na	na	7.71
Other Livestock	na	na	8.37
Total Agricultural Services	8.74	8.67	8.45
Soil Preparation Services	8.88	na	8.26
Crop Services	8.77	8.73	8.70
Plant Cultivate & Protection	na	na	8.60
Harvest Primarily by Machine	9.07	8.98	9.11
Preparation Services for Market	8.46	8.48	8.38
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.57	8.61	8.38
Farm Labor Contractors	8.27	8.30	8.04
Farm Management Services	8.87	8.92	8.72

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	43.0	34.5	42.2
Total Agricultural Production/Crops	17.1	15.8	16.3
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	1.7	2.0	1.5
Cotton	0.1	0.0	0.1
Other Field Crops	1.6	2.0	1.4
Vegetables and Melons	4.7	3.6	3.7
Total Fruits and Tree Nuts	7.3	6.7	6.4
Berries	0.0	0.0	0.2
Grapes	5.5	4.0	4.1
Tree Nuts	0.0	0.1	0.2
Citrus Fruits	0.2	0.6	0.5
Deciduous Tree Fruit	0.2	0.0	0.1
Other Fruits & Nuts	1.4	2.0	1.3
Total Horticultural Specialties	2.3	2.2	1.5
Ornamental Floral & Nursery	2.3	2.2	1.4
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.1	1.3	3.1
Agricultural Production/Livestock	4.2	4.1	5.8
Beef Cattle Feed Lots	0.2	0.2	0.3
Beef Cattle Except Feed Lots	0.9	0.8	0.6
Dairy Farms	1.8	2.8	3.1
Chicken Eggs	1.2	0.0	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.1	0.3	0.6
Total Agricultural Services	21.7	14.6	20.1
Soil Preparation Services	0.1	0.1	0.2
Crop Services	5.0	1.2	5.5
Plant Cultivate & Protection	0.5	0.3	0.4
Harvest Primarily by Machine	0.2	0.2	1.1
Preparation Services for Market	4.2	0.6	3.6
Cotton Ginning	0.1	0.1	0.4
Total Farm Labor & Management	16.6	13.3	14.4
Farm Labor Contractors	15.0	13.2	11.5
Farm Management Services	1.6	0.1	2.9

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	8.29	8.33	8.11
Total Agricultural Production/Crops	8.21	8.24	7.96
Cash Grains	na	na	8.00
Rice	na	na	na
Other Cash Grains	na	na	8.00
Field Crops Except Grains	8.56	8.51	8.10
Cotton	8.65	na	8.10
Other Field Crops	8.46	8.51	8.09
Vegetables and Melons	8.28	8.32	7.81
Total Fruits and Tree Nuts	8.04	8.22	7.70
Berries	na	na	7.55
Grapes	7.91	8.02	7.64
Tree Nuts	na	8.15	7.49
Citrus Fruits	8.07	8.11	7.84
Deciduous Tree Fruit	7.57	na	7.26
Other Fruits & Nuts	8.59	8.60	8.43
Total Horticultural Specialties	8.15	8.15	7.99
Ornamental Floral & Nursery	8.15	8.15	7.99
Food Crops Grown Under Cover	na	na	7.98
General Farm Primarily Crop	8.04	8.02	8.15
Agricultural Production/Livestock	8.12	8.21	7.95
Beef Cattle Feed Lots	8.19	7.84	8.05
Beef Cattle Except Feed Lots	8.49	8.48	7.93
Dairy Farms	8.45	8.37	8.52
Chicken Eggs	7.34	na	7.13
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.13	8.16	8.11
Total Agricultural Services	8.54	8.53	8.42
Soil Preparation Services	8.71	8.75	7.97
Crop Services	8.66	8.49	8.80
Plant Cultivate & Protection	8.42	8.49	8.41
Harvest Primarily by Machine	8.90	8.81	9.26
Preparation Services for Market	8.16	7.95	7.92
Cotton Ginning	9.15	8.72	9.60
Total Farm Labor & Management	8.26	8.34	8.51
Farm Labor Contractors	8.13	8.19	8.69
Farm Management Services	8.39	8.48	8.32

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	16.3	15.9	19.9
Total Agricultural Production/Crops	11.1	11.4	13.7
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.1
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.1
Vegetables and Melons	0.3	0.9	0.3
Total Fruits and Tree Nuts	10.3	9.8	11.3
Berries	0.0	0.0	0.0
Grapes	9.4	8.7	10.4
Tree Nuts	0.1	0.1	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.3	0.8	0.7
Other Fruits & Nuts	0.5	0.2	0.1
Total Horticultural Specialties	0.1	0.2	1.7
Ornamental Floral & Nursery	0.1	0.1	1.5
Food Crops Grown Under Cover	0.0	0.1	0.2
General Farm Primarily Crop	0.4	0.5	0.3
Agricultural Production/Livestock	2.4	1.5	1.9
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.0	0.2
Dairy Farms	0.5	0.6	1.0
Chicken Eggs	0.8	0.6	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	1.1	0.3	0.4
Total Agricultural Services	2.8	3.0	4.3
Soil Preparation Services	0.1	0.1	0.0
Crop Services	0.0	0.0	0.3
Plant Cultivate & Protection	0.0	0.0	0.2
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	2.7	2.9	4.0
Farm Labor Contractors	0.9	0.6	0.9
Farm Management Services	1.8	2.3	3.1

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	8.70	8.59	8.35
Total Agricultural Production/Crops	8.61	8.57	8.41
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	8.47
Cotton	na	na	na
Other Field Crops	na	na	8.47
Vegetables and Melons	8.67	8.67	8.24
Total Fruits and Tree Nuts	8.62	8.61	8.66
Berries	na	na	na
Grapes	8.59	8.59	8.74
Tree Nuts	8.49	8.49	8.69
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.71	8.74	8.57
Other Fruits & Nuts	8.70	8.60	8.65
Total Horticultural Specialties	8.69	8.56	8.32
Ornamental Floral & Nursery	8.69	8.68	8.52
Food Crops Grown Under Cover	na	8.44	8.12
General Farm Primarily Crop	8.45	8.43	8.35
Agricultural Production/Livestock	8.79	8.56	8.18
Beef Cattle Feed Lots	na	na	8.11
Beef Cattle Except Feed Lots	na	na	8.00
Dairy Farms	8.81	8.27	8.18
Chicken Eggs	8.50	8.49	8.10
Turkey & Turkey Eggs	na	na	8.10
Other Livestock	9.06	8.92	8.57
Total Agricultural Services	8.69	8.65	8.46
Soil Preparation Services	8.62	8.63	na
Crop Services	na	na	8.35
Plant Cultivate & Protection	na	na	8.57
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.13
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.77	8.66	8.57
Farm Labor Contractors	8.59	8.49	8.30
Farm Management Services	8.94	8.83	8.84

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	74.9	74.4	73.6
Total Agricultural Production/Crops	55.0	54.9	51.9
Cash Grains	0.2	0.1	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.2	0.1	0.1
Field Crops Except Grains	2.0	1.5	0.5
Cotton	0.0	0.0	0.0
Other Field Crops	2.0	1.5	0.5
Vegetables and Melons	10.1	8.3	8.5
Total Fruits and Tree Nuts	20.7	26.2	19.6
Berries	11.5	17.2	13.6
Grapes	0.4	0.5	2.4
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.7	0.8	1.5
Deciduous Tree Fruit	0.4	0.3	0.2
Other Fruits & Nuts	7.7	7.4	1.8
Total Horticultural Specialties	17.6	17.6	19.1
Ornamental Floral & Nursery	16.6	16.7	18.3
Food Crops Grown Under Cover	1.0	0.9	0.8
General Farm Primarily Crop	4.4	1.2	4.1
Agricultural Production/Livestock	2.6	2.3	2.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.3
Dairy Farms	0.0	0.0	0.2
Chicken Eggs	1.0	0.6	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.4	1.5	1.1
Total Agricultural Services	17.3	17.2	19.7
Soil Preparation Services	0.0	0.0	0.2
Crop Services	2.3	2.7	3.2
Plant Cultivate & Protection	1.3	0.7	0.6
Harvest Primarily by Machine	0.0	0.0	0.2
Preparation Services for Market	1.0	2.0	2.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	15.0	14.5	16.3
Farm Labor Contractors	13.0	12.2	14.6
Farm Management Services	2.0	2.3	1.7

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	8.40	8.39	8.30
Total Agricultural Production/Crops	8.41	8.37	8.21
Cash Grains	8.66	8.66	8.71
Rice	na	na	na
Other Cash Grains	8.66	8.66	8.71
Field Crops Except Grains	8.39	8.47	8.09
Cotton	na	na	na
Other Field Crops	8.39	8.47	8.09
Vegetables and Melons	8.52	8.34	8.13
Total Fruits and Tree Nuts	8.28	8.24	8.00
Berries	7.97	7.85	7.81
Grapes	8.13	8.47	8.15
Tree Nuts	na	na	7.60
Citrus Fruits	8.49	8.41	8.44
Deciduous Tree Fruit	8.18	7.86	7.41
Other Fruits & Nuts	8.61	8.60	8.60
Total Horticultural Specialties	8.39	8.40	8.15
Ornamental Floral & Nursery	8.60	8.66	8.03
Food Crops Grown Under Cover	8.18	8.13	8.26
General Farm Primarily Crop	8.25	8.12	8.21
Agricultural Production/Livestock	8.43	8.36	8.22
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.63	8.63	8.49
Dairy Farms	na	na	8.63
Chicken Eggs	8.10	7.99	7.48
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.56	8.46	8.28
Total Agricultural Services	8.35	8.45	8.46
Soil Preparation Services	na	na	8.58
Crop Services	8.37	8.52	8.61
Plant Cultivate & Protection	8.56	8.85	8.65
Harvest Primarily by Machine	na	na	8.96
Preparation Services for Market	8.17	8.19	8.21
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.33	8.39	8.19
Farm Labor Contractors	8.13	8.20	8.01
Farm Management Services	8.53	8.57	8.36

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	217.3	201.1	214.9
Total Agricultural Production/Crops	83.2	78.9	79.5
Cash Grains	0.1	0.4	0.4
Rice	0.0	0.0	0.1
Other Cash Grains	0.1	0.4	0.3
Field Crops Except Grains	9.5	8.5	9.0
Cotton	7.5	6.2	5.9
Other Field Crops	2.0	2.3	3.1
Vegetables and Melons	13.0	13.4	7.0
Total Fruits and Tree Nuts	45.0	35.0	44.8
Berries	0.0	0.0	0.1
Grapes	23.7	21.0	22.9
Tree Nuts	5.0	3.2	4.8
Citrus Fruits	0.7	0.8	1.7
Deciduous Tree Fruit	11.3	5.1	11.2
Other Fruits & Nuts	4.3	4.9	4.1
Total Horticultural Specialties	6.3	6.5	4.5
Ornamental Floral & Nursery	6.2	6.4	4.3
Food Crops Grown Under Cover	0.1	0.1	0.2
General Farm Primarily Crop	9.3	15.1	13.8
Agricultural Production/Livestock	14.5	11.9	17.4
Beef Cattle Feed Lots	1.0	1.1	0.4
Beef Cattle Except Feed Lots	0.5	0.4	1.6
Dairy Farms	11.1	6.9	12.2
Chicken Eggs	0.1	0.1	0.5
Turkey & Turkey Eggs	0.8	2.7	0.8
Other Livestock	1.0	0.7	1.9
Total Agricultural Services	119.6	110.3	118.0
Soil Preparation Services	0.4	0.5	0.7
Crop Services	25.1	25.1	27.7
Plant Cultivate & Protection	4.6	3.2	4.1
Harvest Primarily by Machine	1.2	2.6	2.3
Preparation Services for Market	18.7	18.7	20.8
Cotton Ginning	0.6	0.6	0.5
Total Farm Labor & Management	94.1	84.7	89.6
Farm Labor Contractors	90.8	82.2	85.3
Farm Management Services	3.3	2.5	4.3

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	8.35	8.28	8.15
Total Agricultural Production/Crops	8.18	8.14	7.96
Cash Grains	8.00	7.96	8.11
Rice	na	na	8.27
Other Cash Grains	8.00	7.96	7.94
Field Crops Except Grains	8.28	8.22	7.74
Cotton	8.36	8.21	7.70
Other Field Crops	8.19	8.22	7.77
Vegetables and Melons	8.16	8.18	8.00
Total Fruits and Tree Nuts	8.26	8.15	7.71
Berries	na	na	7.90
Grapes	8.21	8.31	7.71
Tree Nuts	8.44	8.33	8.01
Citrus Fruits	8.30	8.18	7.53
Deciduous Tree Fruit	8.01	7.78	7.58
Other Fruits & Nuts	8.32	8.13	7.52
Total Horticultural Specialties	8.34	8.29	8.06
Ornamental Floral & Nursery	8.45	8.24	8.23
Food Crops Grown Under Cover	8.23	8.33	7.89
General Farm Primarily Crop	8.03	8.05	8.17
Agricultural Production/Livestock	8.36	8.20	8.18
Beef Cattle Feed Lots	8.17	8.16	8.17
Beef Cattle Except Feed Lots	8.61	8.23	8.37
Dairy Farms	8.76	8.63	8.84
Chicken Eggs	7.63	7.47	7.39
Turkey & Turkey Eggs	8.18	7.98	7.71
Other Livestock	8.83	8.72	8.60
Total Agricultural Services	8.52	8.50	8.32
Soil Preparation Services	8.62	8.55	8.43
Crop Services	8.74	8.78	8.63
Plant Cultivate & Protection	8.79	8.68	8.62
Harvest Primarily by Machine	8.49	8.46	8.56
Preparation Services for Market	8.13	8.37	8.04
Cotton Ginning	9.54	9.61	9.28
Total Farm Labor & Management	8.20	8.16	7.91
Farm Labor Contractors	7.94	7.98	7.72
Farm Management Services	8.45	8.34	8.09

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	27.2	23.0	29.6
Total Agricultural Production/Crops	18.1	15.3	19.3
Cash Grains	1.3	2.1	1.7
Rice	1.0	2.0	1.3
Other Cash Grains	0.3	0.1	0.4
Field Crops Except Grains	0.5	0.9	0.7
Cotton	0.0	0.0	0.0
Other Field Crops	0.5	0.9	0.7
Vegetables and Melons	2.0	2.8	2.2
Total Fruits and Tree Nuts	7.1	4.0	7.8
Berries	0.0	0.0	0.1
Grapes	1.2	0.7	1.5
Tree Nuts	1.9	1.8	2.3
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	3.7	1.1	3.0
Other Fruits & Nuts	0.3	0.4	0.9
Total Horticultural Specialties	2.8	2.4	3.1
Ornamental Floral & Nursery	2.6	2.4	2.1
Food Crops Grown Under Cover	0.2	0.0	1.0
General Farm Primarily Crop	4.4	3.1	3.8
Agricultural Production/Livestock	1.6	0.9	1.8
Beef Cattle Feed Lots	0.3	0.2	0.1
Beef Cattle Except Feed Lots	0.1	0.1	0.6
Dairy Farms	0.1	0.1	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.1	0.5	0.6
Total Agricultural Services	7.5	6.8	8.5
Soil Preparation Services	0.0	0.0	0.1
Crop Services	2.6	1.5	2.6
Plant Cultivate & Protection	0.5	0.8	0.7
Harvest Primarily by Machine	0.6	0.4	0.5
Preparation Services for Market	1.5	0.3	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	4.9	5.3	5.8
Farm Labor Contractors	4.9	5.1	5.6
Farm Management Services	0.0	0.2	0.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2002	May 2002	Jun 2001
Total Agriculture	8.34	8.38	8.28
Total Agricultural Production/Crops	8.25	8.33	8.10
Cash Grains	8.21	8.30	8.37
Rice	8.27	8.30	8.81
Other Cash Grains	8.14	8.29	7.92
Field Crops Except Grains	8.23	8.28	7.90
Cotton	na	na	na
Other Field Crops	8.23	8.28	7.90
Vegetables and Melons	8.19	8.40	8.04
Total Fruits and Tree Nuts	8.21	8.24	7.86
Berries	na	na	7.21
Grapes	8.13	8.25	7.87
Tree Nuts	8.35	8.28	7.89
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.13	8.17	8.14
Other Fruits & Nuts	8.24	8.25	8.19
Total Horticultural Specialties	8.28	8.38	8.45
Ornamental Floral & Nursery	8.28	8.38	8.46
Food Crops Grown Under Cover	8.27	na	8.43
General Farm Primarily Crop	8.37	8.39	7.98
Agricultural Production/Livestock	8.43	8.39	8.59
Beef Cattle Feed Lots	8.31	8.24	8.78
Beef Cattle Except Feed Lots	8.47	8.41	8.59
Dairy Farms	8.51	8.56	8.69
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.44	8.33	8.29
Total Agricultural Services	8.33	8.43	8.15
Soil Preparation Services	na	na	8.00
Crop Services	8.53	8.48	8.38
Plant Cultivate & Protection	8.59	8.53	8.58
Harvest Primarily by Machine	8.64	8.63	8.43
Preparation Services for Market	8.36	8.29	8.12
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.13	8.38	8.08
Farm Labor Contractors	8.13	8.15	7.93
Farm Management Services	na	8.61	8.23

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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